

Message Text

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ORIGIN COME-00

INFO OCT-01 CIAE-00 DODE-00 EB-11 NSAE-00 RSC-01 SS-20

TRSE-00 EUR-25 AEC-11 ISO-00 MC-02 ACDA-19 /090 R

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DRAFTED BY MKRAVETZ/BAW

EPWALINSKY, DIR. PPD/OEA/BEWT

APPROVED BY EB/ITP/EWT:JMGREGORY, JR.

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R 020052Z MAR 74

FM SECSTATE WASHDC

TO OECD PARIS 4909-10

INFO MOSCOW 9329-30

C O N F I D E N T I A L STATE 042168

EXCON

E.O. 11652:XGDS-1

TAGS: ESTC, COCOM, UR

SUBJ: EXPORT OF COMPUTER SYSTEM TO THE USSR - IL 1565

REF: BEWT CASE NO. 075595; OC DOC NO.. 4907 AND; LD NO.

2423 4907 ADDENDUM

USDEL IS REQUESTED AT HIS DISCRETION TO SUBMIT FOLLOWING
URGENCY EXCEPTION CASE PURSUANT TO COCOM DOC. REG (73)3,
PARAGRAPH 4 (B):

1. US AUTHORITIES HAVE BEEN ASKED TO APPROVE EXPORT TO
USSR OF ONE TYPE B6700 CENTRAL COMPUTER SYSTEM WITH
PERIPHERALS, DISPLAYS, TERMINALS, DATA PREPARATION
EQUIPMENT, SPARE PARTS, AND SUPPLIES AND FIXTURES WITH A
TOTAL VALUE OF DOLS 2,301,208 AND COVERED BY IL 1565 (D).

2. THIS EQUIPMENT IS CONSIGNED TO MINISTRY OF OIL INDUSTRY, M.
THOREX EMBANKMENT 26/1, MOSCOW WHERE IT WILL BE USED FOR
AN OVERALL MANAGEMENT INFORMATION SYSTEM AND CONTROL OF THE
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OIL INDUSTRY IN USSR, INCLUDING EXPLORATION, OIL EXTRACTION,
TRANSPORTATION, AND DISTRIBUTION. SEVERAL REMOTE SUBSYSTEMS

WILL BE SHARING A COMMON CENTRAL DATA BASE PROCESSING LONG-RANGE AND CURRENT PLANNING PROGRAMS, PLAN EXECUTION, MARKETING, ACCOUNTING, MATERIAL RESOURCES, CAPITAL INVESTMENTS, STOCK CONTROL, ETC.

3. THE B6713 IS A (SINGLE CPU) MEDIUM SCALE MULTIPROGRAMMING DATA PROCESSOR OF A DESIGN ORIENTED TOWARD DATA COMMUNICATIONS AND DATA BASE APPLICATIONS. THE B6713 INCLUDES A 5-MEGAHERTZ CENTRAL PROCESSOR (CPU), A MAINTENANCE DIAGNOSTIC LOGIC (MDL) PROCESSOR, AN I/O PROCESSOR WITH SIX FLOATING DATA CHANNELS, A DATA COMMUNICATION PROCESSOR (DCP) WITH 16 LINE ADAPTORS AND OPERATOR'S CONSOLE AND CONTROL. THE 52-BIT CPU WORD CONSISTS OF 48 INFORMATION BITS PLUS A PARITY BIT AND THREE CONTROL BITS. THE PROCESSOR OPERATES IN THE BINARY MODE BUT HAS EXTENSIVE STRING MANIPULATION CAPABILITIES THAT ALLOW IT TO HANDLE CHARACTER-ORIENTED DATA OF FOUR, SIX, AND EIGHT BITS. EXTENDED BINARY CODED DECIMAL INTERCHANGE CODE (EBCDIC) IS PRIMARY INTERNAL CODE OF THE B6713. THE PROCESSOR CONTAINS 32 INTEGRATED CIRCUIT DISPLAY REGISTERS (D-REGISTERS) OF 20 BITS EACH WHICH PROVIDE FOR MULTIPLE LEVEL ADDRESSING. THE SYSTEM HAS 4 MODULES OF 1.6 MICROSECOND BULK MEMORY OF 16 WORDS EACH AND TWO MODULES OF 1.2 MICROSECOND 16K WORDS. MEMORY IS NOT INTERLEAVED.

THE TYPE 9373-13 FIXED HEAD DISC OFFERS LARGE CAPACITY SECONDARY STORAGE OF 320 MBITS. AVERAGE ACCESS TIME OF FIXED HEAD DISC IS A LOW 23.8 MILLISECONDS. THIS DISC IS REQUIRED FOR VIRTUAL MEMORY OPERATIONS AND SYSTEM SOFTWARE. CHARACTERISTICS OF ALL MAGNETIC TAPE AND DISC UNIT PERIPHERALS ARE GIVEN IN APPENDIX 3.

TD 800 DISPLAY UNITS ARE GENERAL PURPOSE I/O INTERACTIVE DISPLAY DEVICES LIMITED TO PRESENTATION OF ALPHANUMERIC CHARACTERS. TD 800 USES A STANDARD CRT MECHANISM. ALL TD 800 DISPLAYS ARE TO BE INSTALLED IN COMPUTER OPERATING AREA.

ARRAY PROCESSOR CONSISTS OF PLUG-IN MODULES WHICH CONTAIN HIGH-SPEED REGISTERS ORGANIZED ESPECIALLY FOR PERFORMING
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SCIENTIFIC COMPUTATIONS WHERE STRINGS OR ARRAYS OF NUMBERS ARE INVOLVED. THE TC 3500 IS A KEYBOARD-ORIENTED, STORED-PROGRAM COMPUTER THAT CAN FUNCTION EFFECTIVELY AS AN INTERACTIVE COMMUNICATIONS TERMINAL, A REMOTE BATCH TERMINAL, AND/OR A FREE-STANDING SMALL ACCOUNTING COMPUTER.

BASIC TC 3500 SYSTEM CONSISTS OF A SINGLE COMPACT CONSOLE THAT HOUSES THE PROCESSOR LOGIC, MOS MEMORY, 30-CPS BALL PRINTER, BASIC FORMS HANDLER, ALPHANUMERIC AND NUMERIC KEYBOARDS, AND OPERATING KEYS AND INDICATORS.

DESIGNED PRIMARILY FOR OPERATOR-ATTENDED APPLICATIONS THAT INVOLVE VISIBLE RECORDS AND KEYBOARD ENTRY OF TRANSACTION DATA, TC 3500 COMPUTERS FEATURE FLEXIBLE FORMS-HANDLING FACILITIES THAT CAN ACCOMMODATE A WIDE VARIETY OF CONTINUOUS AND CUT FORMS, EITHER SINGLY OR IN VARIOUS COMBINATIONS.

A TC 3500 CAN TRANSMIT AND RECEIVE DATA IN EITHER ASYNCHRONOUS OR SYNCHRONOUS MODE, AT SPEEDS RANGING FROM 75 TO 9600 BITS PER SECOND. IN THIS PROPOSAL THE TC 3500 TERMINAL STATION EFFECTIVE BIT TRANSFER RATE IS LIMITED TO 1800 BPS BY TYPE B 6650-2 LINE ADAPTER UNITS. COMMUNICATION CHANNEL EFFECTIVE BIT TRANSFER RATES ARE LIMITED TO 1200 BPS BY MODEMS OF FINNISH MANUFACTURE. MOREOVER, OF THE 1200 BPS TRANSMITTED OVER EACH COMMUNICATIONS CHANNEL, ONLY 960 BITS ARE DATA BITS, WITH REMAINING PORTION SERVING AS PARITY AND CHECK BITS. TOTAL EFFECTIVE BIT TRANSFER RATE, CITED IN APPENDIX 3 AS 9,600 BPS, IS BASED ON A TEN CHANNEL COMMUNICATIONS NETWORK WITH ONE OR MORE TC 3500 TERMINALS ON EACH LINE. THE NUMBER OF CHANNELS MAY ACTUALLY BE REDUCED TO EIGHT BY THE U.S. SUPPLIER AND END USER, HOWEVER. IN THIS EVENT, THE TOTAL EFFECTIVE BIT TRANSFER RATE WILL BE REDUCED TO 7680 BPS AND COCOM WILL BE NOTIFIED ACCORDINGLY.

SINCE THE PARTICULAR TC 3500 TERMINALS ORDERED HAVE NO PERIPHERAL ON-LINE STORAGE CAPACITY, THERE WILL BE ONLY A LIMITED NUMBER OF APPLICATIONS FOR WHICH THEY COULD BE USED. THEIR PRIMARY PURPOSE IS TO ENTER DATA INTO THE DATA BASE (DAILY PROGRESS ON EXPLORATION DRILLING, YIELDS PER WELL, TRANSPORT USAGE AND AVAILABILITY, PIPELINE
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FLows, ETC.) AND TO INQUIRE INTO THE DATA BASE FOR DAILY PRODUCTION TARGETS. OTHER THAN THAT THE EQUIPMENT WILL BE USED FOR LOCAL BOOKKEEPING AND ACCOUNTING. FOURTEEN REMOTE TC 3500 TERMINALS WHICH WILL BE LOCATED AT THE FIELD LOCATIONS SHOWN IN APPENDIX 2 WILL BE CONNECTED TO THE CENTRAL SYSTEM VIA 1200 BPS MODEMS OF FINNISH MANUFACTURE.

4. THE FOLLOWING INFORMATION IS GIVEN IN THE APPENDICES OF THIS DOCUMENT IN SUPPORT OF THIS REQUEST:

APPENDIX 1 -COMPLETE LIST OF ALL EQUIPMENT INVOLVED IN THIS TRANSACTION;
APPENDIX 2 - LIST OF LOCATIONS OF REMOTE TERMINAL EQUIPMENT;
APPENDIX 3 - COMPARISON OF TECHNICAL CHARACTERISTICS OF EQUIPMENT WITH THAT IN NOTE 4 OF IL 1565;
APPENDIX 4 - BLOCK DIAGRAM SHOWING CONFIGURATION OF EQUIPMENT;

APPENDIX 5 - LIST OF CONDITIONS;

APPENDIX 6 - LIST OF BROCHURES DEPOSITED WITH SECRETARIAT.

5. US AUTHORITIES CONSIDER THIS EXPORT REASONABLE AND APPROPRIATE FOR THE STATED END USE, AND WOULD APPRECIATE THE VIEWS OF MEMBER GOVERNMENTS. URGENCY PROCEDURE IS REQUESTED AS APPLICANT HAS ALREADY LOST SEVERAL HUNDRED THOUSAND DOLLARS IN PENALTIES.

FYI - COMMERCE HAS AIRMAILED BLOCK DIAGRAM (APP.4) COMPARISON SHEET (APP.3), AND BROCHURES TO PARIS ON 2/28/74. PLEASE NOTE THAT THERE IS ONLY COPY OF THE B6700 REFERENCE MANUAL. COMMERCE WOULD LIKE TO HAVE IT RETURNED. END FYI

6. FYI - APPENDICES PAGE 6 THROUGH 15 HAVE BEEN POUCHED SEPARATELY. REGISTRY NO. 2230931, 3/1/74.
CASEY

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: DATA PROCESSING EQUIPMENT, COMPUTERS, STRATEGIC TRADE CONTROLS, EXPORT LICENSES
Control Number: n/a
Copy: SINGLE
Draft Date: 02 MAR 1974
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: WorrelSW
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1974STATE042168
Document Source: CORE
Document Unique ID: 00
Drafter: BAW
Enclosure: n/a
Executive Order: X1
Errors: N/A
Film Number: n/a
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1974/newtext/t19740372/aaaacpbf.tel
Line Count: 186
Locator: TEXT ON-LINE
Office: ORIGIN COME
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
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Previous Classification: CONFIDENTIAL
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Reference: BEWT CASE NO. 075595; OC DOC NO.. 49, 07 AND; LD NO.
Review Action: RELEASED, APPROVED
Review Authority: WorrelSW
Review Comment: n/a
Review Content Flags:
Review Date: 18 APR 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <18 APR 2002 by ifshinsr>; APPROVED <30-Sep-2002 by WorrelSW>
Review Markings:

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30 JUN 2005

Review Media Identifier:
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